

WO 9304665

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**Cosmetic compsn. filtering UV radiation for protection of skin and hair -  
contains fat-soluble hydrocarbon polymer with gp. absorbing UV and  
organopolysiloxane with gp. absorbing UV**

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9304665	A1	19930318	WO 92FR820	A	19920825	199312 B
FR 2680683	A1	19930305	FR 9110730	A	19910829	199318
EP 601080	A1	19940615	EP 92919103	A	19920825	199423
			WO 92FR820	A	19920825	
EP 601080	B1	19950726	EP 92919103	A	19920825	199534
			WO 92FR820	A	19920825	
DE 69203726	E	19950831	DE 603726	A	19920825	199540
			EP 92919103	A	19920825	
			WO 92FR820	A	19920825	
ES 2075714	T3	19951001	EP 92919103	A	19920825	199545

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Cited Patents: EP 392882; FR 2601365

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 69203726	E			A61K-007/42	Based on patent EP 601080
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Abstract (Basic): WO 9304665 A

A cosmetic compsn. filtering UV radiation of wavelength 280-400 nm contains in (a) a cosmetaic carrier, (b) a synthetic or natural liposol. hydrocarbon polymer carrying at least 1 gp. which absorbs UV, and (c) an organopolysiloxane carrying a gp. absorbing UV, with the ratio by wt. of (b) : (c) being 0.1-5.

Pref. the ratio of (b):(c) is 0.2-2.5. (b) The polymer is (i) (substd.) polyethylene, polyethylene, chitin or chitosan, onto which molecules absorbing UV are grafted through ester, amide, ether, thioether, sulphonyl or acyl gp., or (ii) (co)polymers of cpds. absorbing UV carrying allyl, vinyl, (meth)acrylamide,

vinylloxycarbonylmethyl, or acrylamidoalkyl, esp. acrylamidomethyl, methacrylamidoalkyl, (meth)acrylamido(phenyl)alkyl, acryloxy, acryloxyalkyl or acryloxypolyoxyethylene gps. as unstd. gps., opt. copolymerised with other unsatd. monomers. The UV absorbing cpds. are benzylidene camphor, isophthalidene camphor or terephthalylidene camphor, all opt. substd. on the benzene ring, cinnamic acid opt. substd. by lower alkoxy gp(s). or its esters, salicyclic or benzoic acid and esters, p-aminobenzoic acid or derivs. alkylated on the amino gp., or esters. (substd.) hydroxybenzophenones, (substd.) dibenzoylthane, benzotriazole and 2-arylbenzotriazoles, 2-aryl-benzimidazoles, -benzofuranes, -benzoxazoles, or -indoles, mono- or di-phenyl cyanoacrylates and absorbers of coumarine structure. (c) The component is a polysiloxane or silicone contg. a unit of formula (A) and opt. units of formula (I) and (II) where R' = 1-30C (un)satd. hydrocarbon gp., 1-8C halo-hydrocarbon gp., or trimethylsilyloxy, and at least 40% of R' = Me in (I) and (II): a = 1 or 2; X = -A-Y: A = divalent aliphatic or aromatic hydrocarbon gp. with at least 2C and opt. with O atom(s); Y = residue of molecular filtering UV; b = 1,2 or 3; Z = -O-Y.

USE/ADVANTAGE - The compsn. protects skin and hair against UV. The compsn. is soft, and spreads on and adheres to the skin, while retaining water-resistance.

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Abstract (Equivalent): EP 601080 B

Cosmetic composition screening out ultraviolet radiation of wavelengths between 280 and 400 nm, characterised in that it comprises, in a cosmetically acceptable vehicle, at least one synthetic or natural fat-soluble carbon/hydrogen-based polymer bearing at least one ultraviolet-absorbing group, and at least one organopolysiloxane bearing at least one ultraviolet-absorbing group, the weight ratio of the screening polymer to the screening organopolysiloxane being between 0.1 and 5.

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Derwent Class: A18; A26; A96; D21; E13; E14

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